

ABSTRACT OF THE DISCLOSURE

In a transmitter constituting a communication system, a buffer/transmission data disassembly unit disassembles a transmission packet into a plurality of blocks, an error detection coding unit attaches an error detection code to each of the blocks, and a transmitting unit transmits the blocks having the error detection code attached and retransmits a designated block designated by retransmission information from a receiver. In a receiver, a receiving unit receives blocks from the transmitter, an error detection unit detects an error in the received block, an ARQ control information generating unit generates information relating to retransmission of the received block, and a buffer/received data assembly unit recovers a data packet by combining a plurality of blocks. Improvement in transmission efficiency is attained.